

ABSTRACT

A storage-stable modified asphalt composition, which comprises: 50-97.7 parts by weight of a base asphalt, 2.0-20.0 parts by weight of a polymer having double bonds, 0.1-20.0 parts by weight of a compatilizer, 0.1-10.0 parts by weight of a cross-linking reagent, and 0.1-10.0 parts by weight of a organic polar compound, and the softening point difference of its product determined by the stability test is lower than 2.5°C. The process for preparing said modified asphalt composition is mixing 50-97.7 parts by weight of a base asphalt, 2.0-20.0 parts by weight of a polymer having double bonds, 0.1-20.0 parts by weight of a compatilizer, 0.1-10.0 parts by weight of a cross-linking reagent, and 0.1-10.0 parts by weight of a organic polar compound under certain conditions. The modified asphalt provided by the present invention has good storage-stability. The preparation process provided by the present invention is simple, and there is no need for special apparatus.